

Title (en)

Twin beam charged particle column and method of operating thereof

Title (de)

Doppelstrahlige Ladungsträgerstrahlsäule und Betriebsverfahren dafür

Title (fr)

Colonne de particules chargées de faisceau double et son procédé de contrôle

Publication

**EP 2365514 B1 20150826 (EN)**

Application

**EP 10156115 A 20100310**

Priority

EP 10156115 A 20100310

Abstract (en)

[origin: EP2365514A1] A column for a charged particle beam device is described. The column includes a charged particle emitter for emitting a primary charged particle beam as one source of the primary charged particle beam; a biprism adapted for acting on the primary charged particle beam so that two virtual sources are generated; and a charged particle beam optics adapted to focus the charged particle beam simultaneously on two positions of a specimen corresponding to images of the two virtual sources.

IPC 8 full level

**H01J 37/28** (2006.01); **H01J 37/147** (2006.01); **H01J 37/244** (2006.01)

CPC (source: EP US)

**H01J 37/147** (2013.01 - EP US); **H01J 37/1471** (2013.01 - EP US); **H01J 37/244** (2013.01 - EP US); **H01J 37/28** (2013.01 - EP US); **H01J 2237/0453** (2013.01 - EP US); **H01J 2237/04756** (2013.01 - EP US); **H01J 2237/1514** (2013.01 - EP US); **H01J 2237/153** (2013.01 - EP US); **H01J 2237/24465** (2013.01 - EP US); **H01J 2237/24592** (2013.01 - EP US); **H01J 2237/2817** (2013.01 - EP US)

Cited by

CN114902037A; EP2879155A1; US9035249B1

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DOCDB simple family (publication)

**EP 2365514 A1 20110914**; **EP 2365514 B1 20150826**; JP 2011187447 A 20110922; JP 6099113 B2 20170322; US 2011220795 A1 20110915; US 8378299 B2 20130219

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